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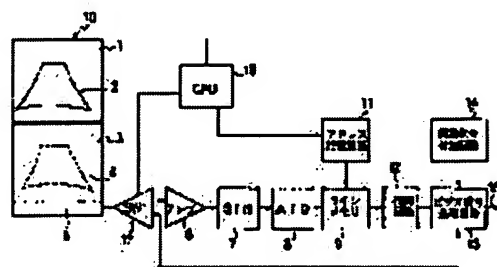
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(54) SOLID-STATE IMAGE PICKUP CAMERA

(57)Abstract:

PURPOSE: To improve picture quality and to reduce cost by reading out the picture data of a solid-state image pickup element along geometric deformation due to the geometric distortion of an image generated by an image pickup zoom lens and executing distortion aberration correction.

CONSTITUTION: When a focal length information obtained by a focal position detecting circuit is included within the distortion aberration correcting range of the image pickup zoom lens, a variable SW1 is turned on and a signal generated from a CCD 10 is outputted to an amplifier 6. A distortion aberration correcting circuit formed from the amplifier 6 up to an interpolation circuit 12 is driven, distortion aberration correction is executed based on the signal outputted from the CCD 10 and address information outputted from an address storing circuit 11 and a corrected signal is outputted to a video signal processing circuit 13. When the focal length information is outside the range, the SW1 is turned off and the signal of the CCD 10 is directly sent to the circuit 13, which generates and outputs a video signal. When a zooming mechanism is driven, focal length information is newly detected and the operation is executed. Thereby the allowable value of distortion of the zoom lens can be improved and the size and price of the lens can be reduced.



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